

What is claimed is:

- 1) A method for providing a user with information
on the Internet, in an environment having a
5 user web browser, one or more information
providing web sites, and a wrapper server for
controlling providing of an information the
user wants from the information providing web
sites to the user, comprising the steps of:
- 10 (a) receiving an information search request
of the user and extracting wrappers
regarding the user who makes the
request from a database in which a
plurality of wrappers are stored;
- 15 (b) transferring the wrappers regarding the
user who makes the request, a web robot,
and a wrapper interpreter capable of
interpreting the wrappers and
outputting an outcome to the user web
20 browser;
- (c) collecting the information the user
wants from the information providing
web sites by using the web robot in the
user web browser; and
- 25 (d) making the collection information an
outcome of a processed form and

providing the outcome to the user by
using the wrappers and the wrapper
interpreter.

- 5 2) The method as claimed in claim 1, wherein, in
 case that the user has inputted information
 providing web sites the user wants to search and
 information on the information providing web
 sites the user wants does not exist in the
10 wrappers in the receiving steps, the receiving
 step further comprising the steps of:
- (a) updating the wrappers with respect to
 the information providing web sites in
 which the information does not exist;
15 and
 (b) storing the updated wrappers in the
 wrapper database.
- 3) The method as claimed in claim 1, wherein the
20 information provided to the user is in a form
 of digital contents.
- 4) The method as claimed in claim 2, wherein the
25 information provided to the user is in a form
 of digital contents.

- 5) The method as claimed in claim 1, wherein the web robot and the wrapper interpreter programs of java Applet forms.
- 5 6) The method as claimed in claim 2, wherein the web robot and the wrapper interpretation unit are programs of java Applet forms.
- 7) An information extraction agent system
- 10 including a wrapper server having a storage device and a processor connected to the storage device, and for searching and providing an information a user wants on the Internet, the storage device comprising:
- 15 (a) a request receiver for receiving an information search request of the user and extracting a set of wrappers regarding the user who makes the request from a database in which the wrappers are stored;
- 20 (b) a transferor for transferring the wrappers regarding the user who makes the request, a web robot, and a wrapper interpreter capable of
- 25 interpreting the wrappers and outputting an outcome to a user web

browser;

(c) an information collector for
collecting the information the user
wants from the information providing
web sites by using the web robot in
the user web browser; and

(d) an outcome generator for making the
collected information an outcome of a
processed form and providing the
outcome to the user by using the
wrappers and the wrapper interpreter.

8) The information extraction agent system as
claimed in claim 7, wherein, in case that the
user has inputted information providing web
sites the user wants to search and information
on the information providing web sites the user
wants does not exist in the wrappers regarding
the user as the user requests the information
search, the storage device further comprising:

(a) a wrapper generator for updating the
wrappers with respect to the
information providing web sites in
which the information does not exist;
and

(b) a wrapper keeper for storing the

updated wrappers in the wrapper
database.

- 5 9) The information extraction agent system as
 claimed in claim 7, wherein the information
 provided to the user is in a form of digital
 contents.
- 10 10) The information extraction agent system as
 claimed in claim 8, wherein the information
 provided to the user is in a form of digital
 contents.
- 15 11) The information extraction agent system as
 claimed in claim 7, wherein the web robot and
 the means capable of interpreting the wrappers
 and outputting the outcome are programs of java
 Applet forms.
- 20 12) The information extraction agent system as
 claimed in claim 8, wherein the web robot and
 the wrapper interpreter capable of interpreting
 the wrappers and outputting the outcome are
 programs of java Applet forms.

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